BLACK BOX®
NETWORK SERVICES

EDUCATION SOLUTIONS

KVM • Multimedia

Black Box is a contracted supplier to E&I Cooperative Services, Inc.

Building Integrated Communication Networks Worldwide

KVM Server Management

Get complete control.

Bring widely dispersed servers in administration, classroom, and other areas of your campus under your control. Faculty and support staff can access data they need—but under your watch.

Get access from anywhere.

Our ServSwitch™ over IP technologies give you 24/7/365 access via your school's network, WAN, or the Internet—without draining much-needed bandwidth from demanding applications.

Keep your school's data private.

Our KVM solutions solve access control issues so you keep student records, billing information, and other data secure. You can ensure that only authorized users access confidential info and you comply with your institution's policies.

Cut costs.

Increase efficiency in your educational facility. Many of our solutions can be connected to existing wiring for seamless integration and no downtime.

Don't miss the case study on the back cover!

BLACK BOX SOLUTIONS

Technologies include:

- ServSwitch IP Products
- ServSwitch KVM Extenders
- ServSwitch KVM Switches
- Solutions for use with copper (CAT5/CAT5e/CAT6) and fiber optic media
- Solutions for connecting high-resolution video and serial touch screen monitors
- Wireless access solutions

Top-notch services include:

- FREE product consultation
- FREE 24/7/365 Tech Support, whether you buy or not
- Design and installation of new and integrated systems
- Moves, adds, and changes, plus repair and maintenance
- Disaster recovery
- Seamless project coordination
- Testing and documentation

For more solutions, see blackbox.com.

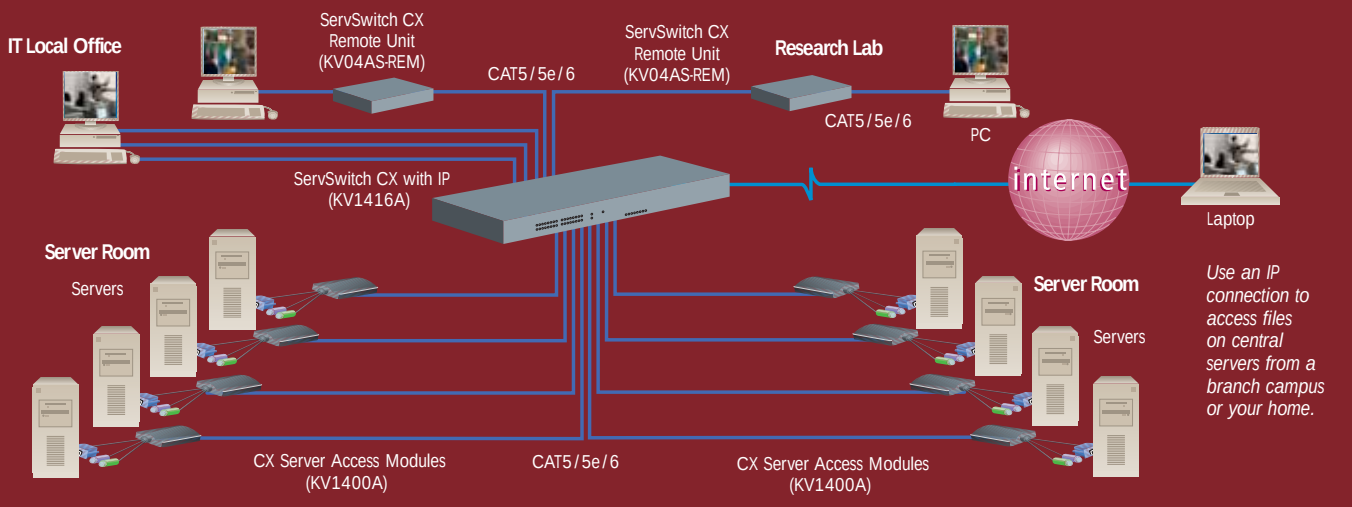
Server management from the KVM over IP experts!

Black Box can help you better manage your servers while keeping the student data stored on them secure—whether they're in administrative, academic, or residential areas of your campus.

You can, for instance, move CPUs to a secure location and use a BLACK BOX® ServSwitch™ solution to monitor the complete system via IP, keeping track of logins and guarding against unauthorized access.

Plus you can specify a fully redundant setup to eliminate any single point-of-failure risk and help guarantee uptime.

We also offer KVM extenders and switches, and industry-best expertise as an integrator. We can design, install, and maintain an entire system to your exact specifications—one that'll contribute to the excellence of your educational institution for years to come.



Use an IP connection to access files on central servers from a branch campus or your home.

NOTE: Black Box product part numbers appear in parentheses.

For help ordering your solution,

Digital Signage and Multimedia

Create it.

Scroll messages and tailor content to specific audiences with our ChyTV and other video-overlay products—all great ways to promote events in your school.

Extend it.

Send high-resolution video farther using ordinary copper or fiber with our highly affordable extenders. You'll stretch your AV budget while taking advantage of wiring already in place.

Split it.

Broadcast a single video source to as many as 16 remote monitors with a Black Box® splitter. This way, you can stream up-to-date info to students and staff in all areas of your school or university.

Display it.

Show graphics-rich content and images on multiple high-resolution LCD or plasma screens. We'll help you set up dazzling digital signage in cafeterias, libraries, hubs, lobbies, and other high-traffic areas.

BLACK BOX SOLUTIONS

Technologies include:

- Plasma screens and LCDs
- DVI, VGA, and Composite video and audio extenders, splitters, switches, and baluns
- Skew compensators, converters, scalers, and image controllers
- ChyTV video display systems
- Solutions for use with coax, UTP (CAT5/CAT5e/CAT6), and fiber optic media

Top-notch services include:

- FREE product consultation
- FREE 24/7/365 Tech Support, before and after the sale
- Design and installation of new and integrated systems
- Upgrades of complete systems
- Moves, adds, and changes, plus repair and maintenance
- Lecture hall setups
- Digital signage configuration

For more solutions, see blackbox.com.

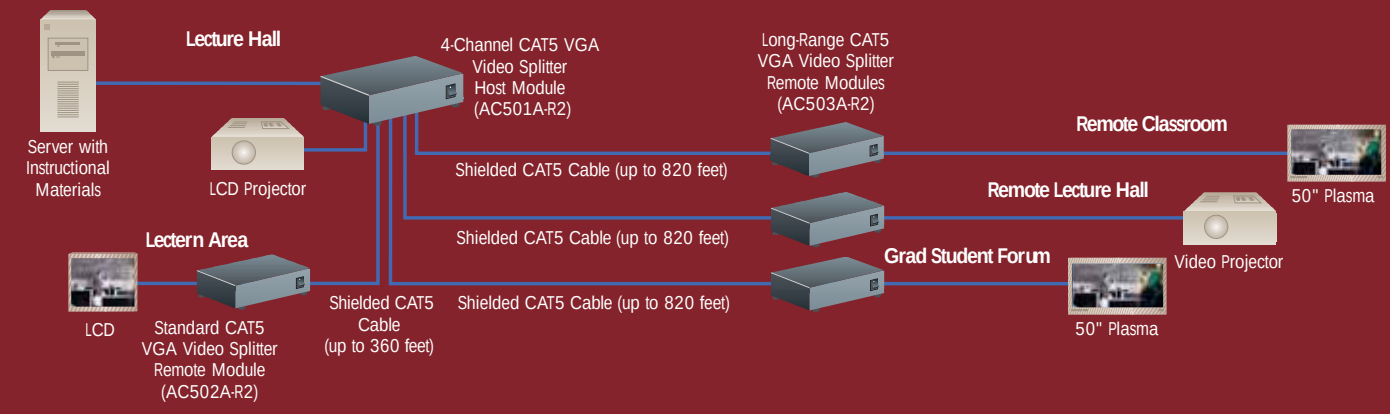
Reach students near and far!

Envisioning a better way to educate your students, including those in distant classrooms—or even in off-campus areas? Black Box specializes in providing integrated multimedia solutions for this very purpose.

Shown below is a lecture hall application with our CAT5 VGA Video Splitters distributing a high-resolution image to four areas. Output can be to LCDs, plasma screens, or projectors—all showing the same image seen on the lecture hall's big screen and by the instructor in the lectern area.

And this is just one possible application. Using our digital signage components, you can also build multiscreen presentations that inform students of class schedules, activities, daily menus, and more!

As an integrator, Black Box can even install large-scale AV systems linked to your current IT hardware, cabling infrastructure, and wireless network, and ensure seamless operation from the start.



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call us today at 724–746–5500.

Case study:

Client: A leading university with a strong presence at one of the nation's largest college fairs.
Project: Wiring the university's multimedia booth at a convention center site.

The background:

For one of the largest college fairs in the U.S., the university decided to pull out all the stops and make its booth the one that generated the most traffic and, it hoped, the most leads for its mail, phone, and e-mail lists.

Its admissions office called on Black Box to help set up multimedia kiosks that would grab the interest of prospective students and their parents—and generate leads. We suggested a solution that uses inexpensive CAT5 cable.

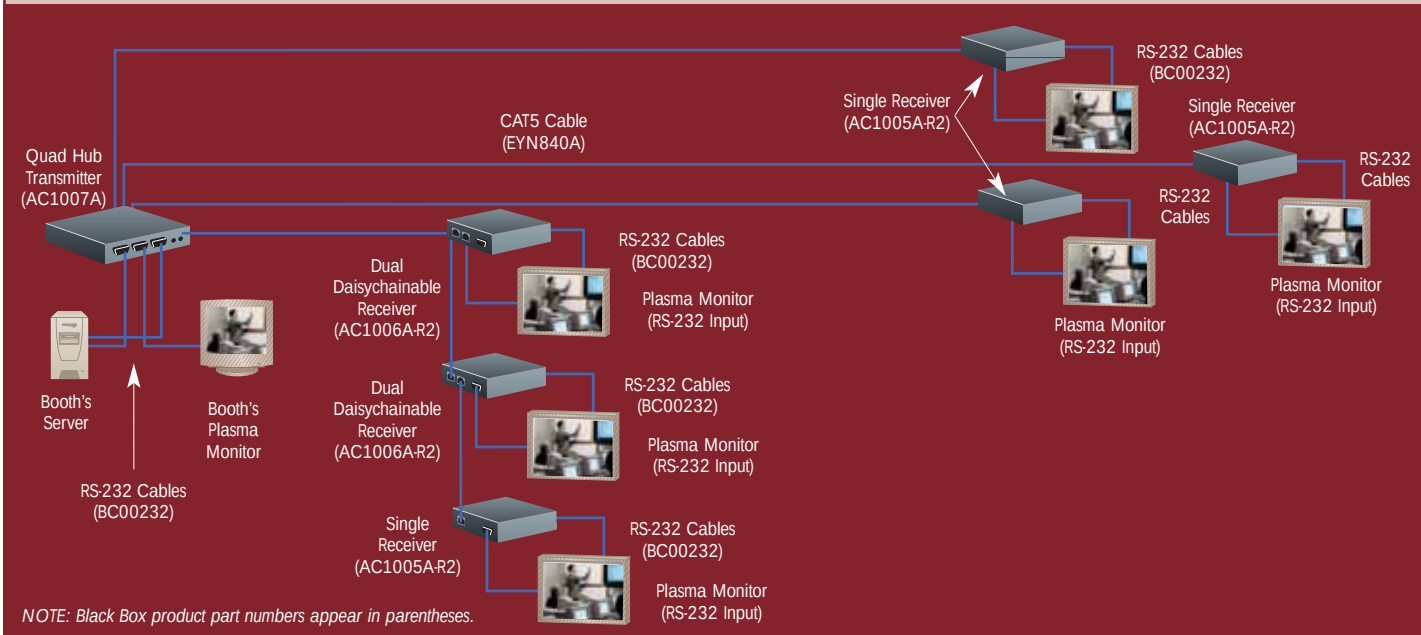
The solution:

Our experts traveled with the university's admissions reps and multimedia technicians to the convention center where the fair was held. There, they set up a BLACK BOX® CAT5 Multi VGA System that enabled the booth's server to broadcast video plus serial data to multiple plasma monitors (see the diagram **below**).

The plasma monitors surrounded the booth, so no matter where high school students and their parents walked, the graphics were sure to attract. Every five minutes, a new feature about the university was broadcast—from academic opportunities to scholarships to financial aid to social life—and nearly everyone who attended the college fair tuned in at one time or another to see what the university was all about.

By the end of the weekend college fair, the university's booth generated more traffic than its competitors—and its admissions staff had added more than 15,000 potential recruits to its lists.

How can Black Box Network Services help your school? Just call us!



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What our clients are saying:

"Critical to the success of our (testing center) project was a vendor that could implement all the networks consistently from site-to-site and with a single project management contact. Black Box has delivered quality implementations throughout."

Ronald DeGrote, VP, Data Management Solutions, **NCS Pearson**

"Black Box has competitively and effectively met our needs throughout the first phase of the (broadband) project, and we've been very satisfied with the quality of the work."

Patrick Grange, Networking and Cabling Project Manager, **Cambridgeshire County Schools (U.K.)**

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